

What is claimed is:

Sub
A4

1. A display system comprising:

a display; and

a display area-separating section for separating a display area of said display into a moving picture display area and a still picture display area.

2. The display system according to claim 1, wherein:

said display is constructed by arranging a large number of display components; and

said display area-separating section separates said display area of said display into said moving picture display area and said still picture display area on the basis of address data to indicate said display components.

3. The display system according to claim 1, wherein

said display area-separating section is subjected to collective centralized control by a central facility connected to a network.

4. The display system according to claim 1, wherein

said display is a display comprising an optical guide plate for introducing light from a light source thereinto, and a driving section provided opposingly to a first plate surface of said optical guide plate and arranged with actuator elements of a number corresponding to a large number of

picture elements, wherein a screen image corresponding to an image signal is displayed on said optical guide plate by controlling a displacement action of said actuator element in a direction to make contact or separation with respect to said optical guide plate in accordance with an attribute of said image signal to be inputted so that leakage light is controlled at a predetermined portion of said optical guide plate.

5. A display system comprising:

a display;

a monitoring section for monitoring a power source current of said display; and

a collective failure-diagnosing section for transmitting status information obtained by said monitoring section via a network to a central facility.

6. The display system according to claim 5, wherein said display is a display comprising an optical guide plate for introducing light from a light source thereinto, and a driving section provided opposingly to a first plate surface of said optical guide plate and arranged with actuator elements of a number corresponding to a large number of picture elements, wherein a screen image corresponding to an image signal is displayed on said optical guide plate by controlling a displacement action of said actuator element in a direction to make contact or separation with respect to

said optical guide plate in accordance with an attribute of said image signal to be inputted so that leakage light is controlled at a predetermined portion of said optical guide plate.

5

7. A display system comprising:

a display; and

a driving voltage-adjusting section for adjusting a driving voltage supplied to said display to compensate decrease in luminance.

10
15
20
25

8. The display system according to claim 7, wherein said driving voltage-adjusting section is subjected to collective centralized control by a central facility connected to a network.

9. The display system according to claim 7, wherein said driving voltage-adjusting section is schedule-managed by the aid of a timer.

20

10. The display system according to claim 7, wherein:

said display is a display comprising an optical guide plate for introducing light from a light source thereinto, and a driving section provided opposingly to a first plate surface of said optical guide plate and arranged with actuator elements of a number corresponding to a large number of picture elements, wherein a screen image

25

corresponding to an image signal is displayed on said optical guide plate by controlling a displacement action of said actuator element in a direction to make contact or separation with respect to said optical guide plate in accordance with an attribute of said image signal to be inputted so that leakage light is controlled at a predetermined portion of said optical guide plate; and

said driving voltage-adjusting section adjusts said driving voltage on the basis of a displacement state of arbitrary one of said actuator elements.

11. The display system according to claim 7, wherein said driving voltage-adjusting section adjusts said driving voltage on the basis of a light emission luminance in a predetermined state of said display.

12. The display system according to claim 11, wherein said display is a display comprising an optical guide plate for introducing light from a light source thereinto, and a driving section provided opposingly to a first plate surface of said optical guide plate and arranged with actuator elements of a number corresponding to a large number of picture elements, wherein a screen image corresponding to an image signal is displayed on said optical guide plate by controlling a displacement action of said actuator element in a direction to make contact or separation with respect to said optical guide plate in accordance with an attribute of

said image signal to be inputted so that leakage light is controlled at a predetermined portion of said optical guide plate.

5 13. A display system comprising:

10 a display comprising an optical guide plate for
15 introducing light from a light source thereinto, and a
20 driving section provided opposingly to a first plate surface
25 of said optical guide plate and arranged with actuator
30 elements of a number corresponding to a large number of
35 picture elements, wherein a screen image corresponding to an
40 image signal is displayed on said optical guide plate by
45 controlling a displacement action of said actuator element
50 in a direction to make contact or separation with respect to
55 said optical guide plate in accordance with an attribute of
60 said image signal to be inputted so that leakage light is
65 controlled at a predetermined portion of said optical guide
70 plate;

 a preliminary light source;

20 a current-monitoring section for monitoring a current
25 of said light source; and

30 a preliminary light source control unit for selectively
35 turning on or turning off said preliminary light source on
40 the basis of information from said current-monitoring
45 section.

14. The display system according to claim 13, wherein

a part or all of said preliminary light sources are a preliminary light source provided for the purpose of countermeasure for fading.

5 15. The display system according to claim 13, further comprising:

 a cooling fan; and

 a cooling control unit for selectively driving said cooling fan on the basis of selective turning on of said preliminary light source.

10 16. A display system comprising:

 a display;

 a memory for storing luminance correction data for correcting a luminance dispersion of said display; and

 a table creation mechanism for rewriting said luminance correction data.

15 17. The display system according to claim 16, wherein
20 said table creation mechanism is subjected to collective centralized control by a central facility connected to a network.

 18. The display system according to claim 16, wherein
25 said table creation mechanism is schedule-managed by the aid of a timer.

19. The display system according to claim 16, wherein:
said display is a display comprising an optical guide
plate for introducing light from a light source thereinto,
and a driving section provided opposingly to a first plate
5 surface of said optical guide plate and arranged with
actuator elements of a number corresponding to a large
number of picture elements, wherein a screen image
corresponding to an image signal is displayed on said
optical guide plate by controlling a displacement action of
said actuator element in a direction to make contact or
separation with respect to said optical guide plate in
accordance with an attribute of said image signal to be
inputted so that leakage light is controlled at a
predetermined portion of said optical guide plate; and
said table creation mechanism rewrites said luminance
correction data on the basis of a displacement state of
arbitrary one of said actuator elements.

20. The display system according to claim 16, wherein
said table creation mechanism rewrites said luminance
correction data on the basis of a light emission luminance
in a predetermined state of said display.

21. The display system according to claim 20, wherein
said display is a display comprising an optical guide plate
for introducing light from a light source thereinto, and a
driving section provided opposingly to a first plate surface

of said optical guide plate and arranged with actuator elements of a number corresponding to a large number of picture elements, wherein a screen image corresponding to an image signal is displayed on said optical guide plate by controlling a displacement action of said actuator element in a direction to make contact or separation with respect to said optical guide plate in accordance with an attribute of said image signal to be inputted so that leakage light is controlled at a predetermined portion of said optical guide plate.

22. The display system according to claim 16, wherein said table creation mechanism rewrites said luminance correction data also in consideration of color balance adjustment.

23. A display system comprising:

a display comprising an optical guide plate for introducing light from a light source thereinto, and a driving section provided opposingly to a first plate surface of said optical guide plate and arranged with actuator elements of a number corresponding to a large number of picture elements, wherein a screen image corresponding to an image signal is displayed on said optical guide plate by controlling a displacement action of said actuator element in a direction to make contact or separation with respect to said optical guide plate in accordance with an attribute of

said image signal to be inputted so that leakage light is controlled at a predetermined portion of said optical guide plate, and wherein said actuator element makes said displacement action in a first direction when a voltage of positive polarization or negative polarization with respect to a reference electric potential is applied; and

a switching means for making changeover to said voltage of positive polarization or said voltage of negative polarization at an arbitrary timing.

24. The display system according to claim 23, wherein said switching means is subjected to collective centralized control by a central facility connected to a network.

25. The display system according to claim 23, wherein said switching means is schedule-managed by the aid of a timer.

26. A method for managing a display wherein:

said display is constructed by arranging a large number of display components; and

a display area of said display is separated into a moving picture display area and a still picture display area on the basis of address data to indicate said display component supplied from a central facility connected to a network.

27. The method for managing said display according to claim 26, wherein said display is a display comprising an optical guide plate for introducing light from a light source thereinto, and a driving section provided opposingly to a first plate surface of said optical guide plate and arranged with actuator elements of a number corresponding to a large number of picture elements, wherein a screen image corresponding to an image signal is displayed on said optical guide plate by controlling a displacement action of said actuator element in a direction to make contact or separation with respect to said optical guide plate in accordance with an attribute of said image signal to be inputted so that leakage light is controlled at a predetermined portion of said optical guide plate.

28. A method for managing a display comprising: monitoring a power source current of said display; and transmitting status information obtained by said monitoring to a central facility via a network.

29. A method for managing a display comprising adjusting a driving voltage supplied to said display to compensate decrease in luminance on the basis of collective centralized control by a central facility connected to a network or by schedule management by the aid of a timer.

30. A method for managing a display comprising

rewriting luminance correction data in order to correct a luminance distribution of said display on the basis of collective centralized control by a central facility connected to a network or by schedule management by the aid of a timer.

31. A method for managing a display comprising:

using a display comprising an optical guide plate for introducing light from a light source thereinto, and a driving section provided opposingly to a first plate surface of said optical guide plate and arranged with actuator elements of a number corresponding to a large number of picture elements, wherein a screen image corresponding to an image signal is displayed on said optical guide plate by controlling a displacement action of said actuator element in a direction to make contact or separation with respect to said optical guide plate in accordance with an attribute of said image signal to be inputted so that leakage light is controlled at a predetermined portion of said optical guide plate, and wherein said actuator element makes said displacement action in a first direction when a voltage of positive polarization or negative polarization with respect to a reference electric potential is applied; and

making changeover to said voltage of positive polarization or said voltage of negative polarization at an arbitrary timing on the basis of collective centralized control by a central facility connected to a network or by

schedule management by the aid of a timer.

Add
A5